

## **II. Amendments to the Specification:**

Please replace paragraph [0016] with the following amended paragraph:

**[0016]** The hammer 28 is shown in detail in Fig. 4, and includes a tapered drive surface 28a extending between an impact face ~~28a~~ 28b and a tongue guide 28c. The hammer 24 is identical to the hammer 28 and, as shown in Fig. 3, includes a tapered fluid drive surface 24a and a tongue guide 24c. The tongue guides 24c and 28c extend over corresponding slots formed in the upper surface of the anvil 16 as extensions of the chambers 20 and 22, respectively, to assist in aligning and guiding the movement of the hammers 24 and 28, respectively, and to block the flow of fluid into the chambers 20 and 22 under conditions to be described.

Please replace paragraph [0032] with the following amended paragraph:

**[0032]** The location and angular spacing of the windows 84a-84d around the disc 84 are such that the above low pressure zone is established at approximately the same time as the termination of the above-described fluid forces on the hammers 24 and 28 through the windows 84a and 84b by virtue of the windows rotating out of registry with the chambers 20 and 22. Thus, the potential energy stored in the loaded spring 60 is released to rapidly rotate the hammers 24 and 28 in a clockwise direction from the position of Fig. 6 to the position of Fig. 3. This causes the face 28b (Fig. 2) of the hammer 28 and the face of the hammer 24 to strike the walls 22a and 20a (Fig. 6), respectively, of the anvil 16 to impart a percussion blow to the anvil and therefore to the bit B. This, in turn, imparts a circumferentially directed impact force against the formation engaging the bit B. During this impact drive the unoccupied areas of the chamber 20 and 22 behind the hammers 24 and 28 are covered by the tongue guides ~~24a~~ 24c and 28c, respectively.